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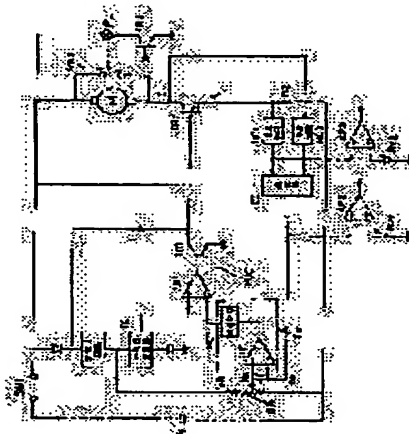
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## (54) DC MOTOR CONTROL CIRCUIT

## (57)Abstract:

**PURPOSE:** To facilitate automatic control of a DC motor so as to have a required revolution and torque by a method wherein a short-circuit switch is eliminated and the revolution and torque of the DC motor are controlled in accordance with the whole actuation stroke of an actuating lever.

**CONSTITUTION:** A power supply E, a DC motor M and a motor current switching device TR2 are provided in a motor-driven tool. The switching parts D and S of the motor current switching device TR2 are connected between the power supply E and the motor M. As for a power supply switch SW1 and a braking contact SW2, when the actuating lever of the motor-driven tool is on a free position, the power supply switch SW1 is opened and the braking contact SW2 is closed. That is, a short-circuit switch is eliminated and the revolution and torque of the DC motor M are controlled in accordance with the whole actuation stroke of the actuating lever. With this constitution, the DC motor M is automatically controlled at a desired rotational speed and torque within a range of the whole actuation stroke of the actuating lever.



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